

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and
Pathological). Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26279

Author : Ginter, Emil

Inst :

Title : L-Ascorbic Acid and Protein Metabolism. III. Nitrogen
Metabolism in Late Stages of C avitaminosis in Guinea
Pigs.

Orig Pub : Biologiya, 1958, 13, No 2, 113-123

Abstract : In guinea pigs with acute symptoms of scurvy (S), the ni-
trogen balance was negative and considerably more expres-
sed than in healthy guinea pigs which received limited
rations of the same caloric value but with the addition
of L-ascorbic acid. In the brain of animals with decrea-
sed body weight, a characteristic, even if weakly expres-
sed, decrease of total content of N took place; total
content of N in liver, skeletal muscles, spleen and

Card 1/2

GINTER, B.

Free amino acids of some tissues in guinea pigs. p. 700.

Bratislava, Czechoslovakia. Vol. 13, no. 9, 1958

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2.
Feb. 1960.

Uncl.

GINTER, E.; DIBAK, O.

Effect of nutritional factors on the fluorine balance of fluorinized rats. p. 402.

ČESKOSLOVENSKÁ HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 7, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

GINTER, Emil

Biochemical role of vitamin C in the process of wound healing.
(Critical review of the literature). Cas.lek.cesk 99 no.29:169-174
19 Ag'60.

1. Ustav pre vyskum vyzivy ludu v Bratislave, riaditel MUDr.
Andrej Bucko, C.Sc.
 (VITAMIN C metab)
 (WOUND HEALING metab)

GINTER, Emil

Effect of C avitaminosis on the transaminase in various organs of guinea pigs; L ascorbic acid and the metabolism of proteins. VII. Biologia 15 no.8:619-622 '60. (EEAI 10:4)

1. Ustav pre vyskum vyzivy ludu, Bratislava.
 - (ASCORBIC ACID)
 - (AVITAMINOSIS)
 - (PROTEINS)
 - (TRANSAMINASES)

UFO 902643

GINTER, E.

Influence of carbon tetrachloride on the metabolism of l-ascorbic acid. Cesk. hyg. 7 no.8:453-460 S '62.

1. Ustav pre vyskum vyživu ľudu, Bratislava.
(ASCORBIC ACID) (CARBON TETRACHLORIDE POISONING)

GINTER, E.

Glycogen synthesis in vitamin C deficiency. Cesk. gastroent.
vys. 17 no.5:310-313 JI '63.

1. Ustav pre vyskum vyzivy ludu v Bratislave, riaditel doc.
dr. A. Bucko, CSc.

(ASCORBIC ACID DEFICIENCY) (LIVER GLYCOGEN)
(CARBOHYDRATE METABOLISM)
(CARBON TETRACHLORIDE POISONING)
(HEPATITIS, TOXIC)

BOBEK, P.; GINTER, E.

Effect of C avitaminosis on the level of serum lipoproteins in guinea pigs with intact and tetrachloride-damaged livers. Cas. lek. cesk. 102 no.40:1103-1106 4 0 '63.

1. Ustav pre vyskum vyzivy ludu v Bratislave, riaditel doc.
dr. A. Bucko, CSc.

(ASCORBIC ACID DEFICIENCY) (LIPOPROTEINS)
(CARBON TETRACHLORIDE POISONING)
(BLOOD PROTEIN ELECTROPHORESIS)
(HEPATITIS, TOXIC) (LIVER REGENERATION)

GINTER, Emil

Methodical information on the induction of experimental vitamin C deficiency in guinea pigs. Biologia (Bratisl.) 19 no.3:180-185 '64.

1. Ústav pre výskum výživy ľudu, izotopové pracovisko v Bratislave.

*

GINTER, E.; BOBEK, P.; GERBELOVA, M.; ONDREICKA, R.; BILISICS, L.

Lipid metabolism under conditions of acute and chronic
L-ascorbic acid deficiency in guinea-pigs. *Physiol. Bohemo-*
slov. 14 no.3:282-288 '65.

1. Institute of Human Nutrition, Bratislava.

L 1997-66

ACCESSION NR: AP5026090

CZ/0049/65/000/007/0537/0545

AUTHOR: Bobek, Pavel (Graduate chemist)(Bratislava); Ginter, Emil (Graduate of sciences, Graduate chemist)(Bratislava) ¹⁹_B

TITLE: Influence of high-fat high-cholesterol diet upon the metabolism of lipids in rats.

SOURCE: Biologia, no. 7, 1965, 537-545

TOPIC TAGS: rat, biologic metabolism, nutriology, biochemistry

ABSTRACT: [Authors' summary modified]: Long-term diets containing high amounts of cholesterol and triglycerides cause an accumulation of cholesterol in the liver, adrenal glands, epididymal fatty tissue, and blood of rats. At the same time, the concentration of beta-lipoproteins increases. Biosynthesis of cholesterol in liver and the adrenal glands was decreased drastically; the levels of esterified fatty acids and lipid phosphorus in blood and the tissues did not change significantly. Although there was a deep upset of the fat metabolism, deposition of lipids in the aorta was not found. The authors conclude that it is very difficult to provoke the syndrome of arteriosclerotic changes in rats.

Card 1/2

L 1997-66

ACCESSION NR: AP5026090

"The authors thank Dr. J. Babal (Institute for Pathological Anatomy IF UK in Bratislava) for histological analysis of specimen and Eng. J. Cerven and Eng. H. Deakova for cooperation in isotopic and biochemical studies." Orig. art. has: 1 figure, 4 graphs, 3 tables.

ASSOCIATION: Laboratorne oddelenie Ustavu pre vyskum vyzivy ludu, Bratislava
(Laboratory Department, Institute for Nutritional Research)

SUBMITTED: 30Jan65

ENCL: 00

SUB CODE: LS

MR REF SOV: 003

OTHER: 029

JPRS

Card 2/2

Physiology

CZECHOSLOVAKIA UDC 612.015.3(:547.915):612.014.234

BOBEN, P.; GINTER, M.; Research Institute for Human Nutrition
(Vyskumny Ustav Vyzivy Lodu), Bratislava, Director (Naditel)
Docent Dr A. BUCKO.

"Acclimatization to Cold and Lipid Metabolism."

Prague, Case is Lekaru Ceskych, Vol 105, No 38, 16 Sep 66, pp
1022 - 1029

Abstract: The influence of low temperatures on the metabolism of lipids is discussed. Basic principles of thermoregulation, the reactions of the organism to the reduced temperature of the surroundings, acclimatization phenomena and their mechanism, and the metabolism of lipids under the conditions of acclimatization to cold are described. Authors' experiments with rats exposed to intermittent long periods of exposure to cold are discussed. A normalization effect of cold acclimatization on the level of liver glycogen is described. Histological changes of the myocardium in rats exposed to cold and fed an atherogenic diet are discussed. 4 figures, 76 Western, 2 Czech references. (Manuscript received Dec 64).

GINTER, E.

The effect of scurvy on the metabolism of glutamine. Physiol. Bohemoslov.
11 no.6:522-528 '62.

1. Institute of Nutritional Research, Bratislava.
 (SCURVY) (GLUTAMINE)

GINTER, E.; CERVEN, J.

The effect of experimental C ~~def~~avitaminosis on the metabolism of nucleic acids. Physiol. Bohemoslov. 11 no.6:529-534 '62.

1. Isotope Department, Institute of Nutritional Research, Bratislava.
(ASCORBIC ACID DEFICIENCY) (RNA) (DNA)

GINTER, E.

Czechoslovakia

Institute for Nutritional Research (Ustav pre vyskumvyzivy
l'udu, Bratislava), Bratislava;

Prague, Ceskoslovenska hygiena, No 8, Sep 62, pp 453-460.

"Influence of Carbon Tetrachloride on the Metabolism of
l-Ascorbic Acid".

GINTER, K.I. (Krasnodarskiy kray, Gelendzik).

~~UNCLASSIFIED~~

Application of novocaine block in snake bite. Khirurgiya no.12:
64-65 D '53. (MLRA 7:1)

(Novocaine) (Venom--Physiological
effect)

GINTER, K.I.

Plastic surgery of the lower lip in extensive defects. Khirurgiia,
Moskva no. 10:45-47 Oct 1952. (GLML 23:3)

1. Of the Surgical Division of Novo-Pokrovsk Rayon Hospital (Head of
Division -- K. I. Ginter), Krasnodar Kray.

SŁOMKO, Zbigniew; GINTER, Seweryn

The course and management of pregnancy, labor and puerperium after commissurotomy. Ginek. Pol. 33 no.2:265-274 '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych AM w Poznaniu Kierownik: doc. dr W. Michalkiewicz.

(MITRAL STENOSIS surg) (PREGNANCY) (LABOR)
(PUERPERIUM)

ALEKSANDROVA, M.; GINTER, V. [Gintere, V.]; INDULEN, M. [Insulena, M.];
KANEL', I. [Kanele, I.]; KONDRASHOVA, M.; KUKAYN, G. [Kukaine, G.]

Virological and serologic studies of live vaccine against polio-
myelitis. Report II. Vestis Latv ak no.6:153-158 '60.
(EEAI 10:9)

(POLIOMYELITIS) (VACCINES AND VACCINATION)

DIBAK, O.; GINTER, Ye. (Bratislava)

Protective effect of food substances in fluorine poisoning.
Vop.pit. 18 no.4:3-11 J1-Ag '59. (MIRA 12:10)

1. Iz fiziologicheskogo otdeleniya Instituta issledovaniya
pitaniya naroda (dir.A.Buchko), Bratislava, Chekhoslovakiya.
(DIETS, in var. dis.
fluorine pois., review (Rus))
(FLUORINE, pois.
dietetic ther., review (Rus))

GINTER, Ye.K.; KARASEVA, E.V.; SIVOLODSKIY, Ye.P.

Effect of levomycetin on phagolysis in dysenterial bacteria.
Antibiotiki 7 no.5:467-470 My '62. (MIRA 15:4)

1. Kafedra mikrobiologii (zav. A.I.Korotnyayev) Kubanskogo meditsinskogo
instituta.

(LEVOMYCETIN) (SHIGELLA PARADYSENTERIAE)
(BACTERIOPHAGE)

SIVOLODSKIY, Ye.P.; GINTER, Ye.K.; KARASEVA, E.V.

Effect of levomysetin (Chloramphenicol) on the phagocytosis of
antibiotic-resistant Flexner's dysenteriae toxin. Antibiotiki
8 no.5:461-466 My'63 (MIRA 17:3)

1. Kafedra mikrobiologii (zav. A.I. Korotkyaver) Kubanskogo
meditsinskogo instituta.

Textile Industry in Finland

Technology of printing and resist fabric. *Text. Ind. No. 1, 1952*

9. Monthly List of Russian Accessions, Library of Congress, March 1952, Uncl.

L 29947-66

ACC NR: AP5028954

(A)

SOURCE CODE: PO/0077/65/000/009/0003/0007

AUTHOR: Ginter, Zbigniew (Master of arts)(Poznan)

11

ORG: none

B

TITLE: Plant protection service

SOURCE: Ochrona roslin, no. 9, 1965, 3-7

TOPIC TAGS: ~~plant protection service~~, agricultural machinery, agronomy
~~agricultural machinery, soil mechanics~~

ABSTRACT: The advantages of service stations for plant protection over state machine centers are discussed. The successful operation of service stations in the Poznan province is cited and the conclusion is drawn that they are preferable to state machine centers. The issue of service stations vs. state machine stations has been discussed in many articles, and therefore, the editor of the periodical "Ochrona roslin" states that the subject has been sufficiently aired and the time for a decision has arrived.

SUB CODE: 02/ SUBM DATE: none

Card 1/1 *AL*



1.0000000000000000

1.0000000000000000 1.0000000000000000

1.0000000000000000

1.0000000000000000

8000000000000000

1.0000000000000000

Agriculture

POLAND

PO/0077/65/000/009/0003/0007

AUTHOR: Ginter, Zbigniew (Master of arts)(Poznan)

ORG: none

TITLE: Plant protection service

SOURCE: Ochrona roslin, no. 9, 1965, 3-7

TOPIC TAGS: agricultural machinery, agronomy

ABSTRACT: The advantages of service stations for plant protection over state machine centers are discussed. The successful operation of service stations in the Poznan province is cited and the conclusion is drawn that they are preferable to state machine centers. The issue of service stations vs. state machine stations has been discussed in many articles, and therefore, the editor of the periodical "Ochrona roslin" states that the subject has been sufficiently aired and the time for a decision has arrived.

GINTEROVA, A.;~~GINTER, E.; NEMEC, P.~~

SCIENCE

Periodicals: BIOLOGIA Vol. 10, No. 6, 1955

GINTEROVA, A.;~~GINTER, E.~~; NEMEC, P. Antibiotic properties of one strain of asymmetric penicillin. p. 770

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

GINTEROVA, A.: LACOK, P.: KOLEK, F.

A study of the physiological properties of corn lys. I. p. 641.

Vol. 13, no. 9, 1958. Bratislava, Czechoslovakia.

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2.
Feb., 1960. Uncl.

GINTEROVA, A.

"A study of the physiological properties of corn lye."

BIOLOGIA, Slovenska akademia vied, Bratislava, Czechoslovakia, Vol. 13, No. 12, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncl.

GINTEROVA, A.

5th Seminary on the Biology of the Evolution of Cultivated Plants. p. 383

BIOLOGIA (Slovenska akademia vied)
Bratislava Czechoslovakia

Vol. 14, no. 5, 1959

Monthly list of East European Accessions (KEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

**STUCHLIK, Vaelav.; RABANOVA, Ludmila; QINTEROVA, Anastasia;
MITTERHAUSZEROVA, Ludmila**

**A contribution to studies of the properties of biologically
active yeast. Biologia 16 no.1:40-46 '61. (EEAI 10:7)**

(YEAST)

GINTEROVA, Anastazia, C.Sc.; MITTERHAUSZEROVA, Ludmila, inz.; GHODOVSKY, Michal,
inz.

Preparation of the yeast polysaccharide of zymosan. Chem zvesti
15 no.11/12:922-927 N-D '61.

1. Ustredny vyskumny ustav potravinarskeho prienyslu, Bratislava.
Authors' address: Bratislava, Mileticova 14B.

GINTEROVA, A.

Flocculation of yeast. Kvasny prum 9 no.1:11-14 Ja '63.

1. Ustredny vyskumny ustav potravinarskeho priemyslu, pobočka
Bratislava.

GLINTEROVA, Anastazia; MITTERHAUSZEROVA, Ludmila; JANOTKOVA, Olga

Use of the sedimentation method for determining the baker's yeast agglutination. Prum potravin 14 no.2:97-98 F '63.

1. Ustredny vyskumny ustav potravinarskeho priemyslu, pobacka Bratislava.

GINTEROVA, A.; MITTERHAUSZEROVA, I.; JANOTKOVA, O.

Content of various water forms in baker's yeast in relation to
its agglutination. Kvasny prum 10 no. 6:129-131 Je '64.

1. Research Institute of Distillation and Canning Industry,
Bratislava.

SINTER, L. A., LIT'KOVICHENKOVA, L.; JAN'KOVA, L.

Effect of fermented mash on yeast agglutination. *Trudy
Vuzov* 1964, 9: 207-208. S. 164.

Research Institute of Distillation and Dyeing Industry,
Pratslava.

MITTERHAUSZEROVA, Ludmila; GINTEROVA, Anasztazia; SEDLAKOVA, Ludmila

The effect of selection on the agglutination of baker's yeast.
Biologia (Bratisl) 20 no.3:181-184 '65

1. Vyskumny ustav liehovarsko-konzervarenskeho priemyslu v
Bratislave.

GINTEROVA, Anastasia; MITTENHAUSZEROVA, Ludmila; JACOTKOVA, Olga.

Fermentation of sugars with agglutinated and nonagglutinated baker's yeast. Biologia (Bratisl) 20 no.3:185-188 '65.

1. Vyskumny ustav Liehovarskeho a konzervarenskeho priemyslu v Bratislave.

GINTEROVA, A.; MITTERHAUSZEROVA, L.; JANOTKOVA, O.

Some properties of agglutinated bakery yeast. Kvasny prum
11 no.2:41-43 F '65.

1. Research Institute of the Distilling and Canning Industry,
Bratislava. Submitted June 18, 1964.

L 14894-66

ACC NR: AP60083A2

SOURCE CODE: CZ/0049/65/000/003/0181/0184

AUTHOR: Mitterhausserova, Ludmila--Mittergausserova, L. (Engineer; Bratislava);
Ginterova, Anastasia (Graduate biochemist, Candidate of science; Bratislava);
Sedlarova, Ludmila (Doctor, Candidate of science; Bratislava)

ORG: Research Institute of the Alcohol and Food Preserving Industry, Bratislava
(Vyskumny ustav liehovarsko-konzervarenskeho priemyslu)

TITLE: Influence of selection upon the agglutination of baker's yeast

SOURCE: Biologia, no. 3, 1965, 181-184

TOPIC TAGS: yeast, heredity, food technology

ABSTRACT: The heredity of the property of agglutination of baker's yeast was verified by making fourfold selection in commercial yeast and investigating the products. When the selection was made, so that an increased tendency to agglutination would be maintained, the occurrence of agglutinating isolates was increased from 10.4% to 42.9%, and the non-agglutinating isolates fell from 48.7% to 19.5%. In selection favoring non-agglutinated isolates their content increased from 48.7% to 55.4%, and the content of the agglutinated isolates decreased from 10.4 to 3.1%. Orig. art. has: 3 figures. [JFRS]

SUB CODE: 06 / SUBM DATE: 04Nov64 / ORIG REF: 001 / OTH REF: 005

Card 1/1

14
B

2

L 14884-66

ACC NR: AP6008343

SOURCE CODE: CZ/0049/65/000/003/0185/0188

AUTHOR: Ginterova, Anastasia (Bratislava); Mitterhausserova, Ludmila--
Mittergaustserova, L. (Bratislava); Janotkova, Olga--Janotkova, O. (Bratislava) ²⁰B

ORG: Research Institute of the Alcohol and Food Preserving Industry, Bratislava
(Vyskumny ustav liehovarskeho a konzervarenskeho priemyslu)

TITLE: Fermentation of sugars by agglutinated and non-agglutinated bakers yeast

SOURCE: Biologia, no. 3, 1965, 185-188

TOPIC TAGS: fermentation, carbohydrate, yeast, food technology, plant metabolism

ABSTRACT: Commercial yeast of the Trenčin factory (*S. cerevisiae*) was studied in anaerobic conditions; use of oxygen and production of carbon dioxide were investigated. The same was followed under aerobic conditions. Glucose, sucrose, and maltose were used as substrates. Differences between suspended yeast and yeast that was agglutinated during yeast production were compared. No differences were found in working with glucose and sucrose. In maltose, in a stream of N₂ higher production of CO₂ was shown by agglutinated yeast. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 04 Nov 64 / ORIG REF: 003 / OTH REF: 003

Card 1/1

KRAKOWKA, Pawel; TRACZYK, Kazimierz; GINTEROWA, Bronislawa

A case of co-existing pulmonary tuberculosis and primary actinomycosis.
Gruzlica 30 no.12;1095-1100 '62.

1. Z Oddzialu I i z Pracowni Mykologicznej Instytutu Gruzalicy. Kierownik:
doc. dr med. P. Krakowka. Dyrektor: prof. dr med. W. Jaroszewicz.
(TUBERCULOSIS PULMONARY) (ACTINOMYCOSIS)
(LUNG DISEASES FUNGAL)

GINTERVAL'D, E. [Hinterwald, E.] (Tallinn)

Relying on the more active members. Pozh.delo 3 No.6:5 Jo '57
(Estonia--Fire prevention) (MLRA 10:7)

GINTERNAL'D, E. (Tallin).

~~Competition of collective farm fire brigades, Pozh. delo 3 no.7:~~
5-6 VI '57. (MLRA 10:8)
(Ratonia--Fire departments--Competitions)

GINTERVAL'D, E. [Güntervald, E.]

Victoria Elhi, chief of a volunteer fire brigade. Pozh.delo 6
no.7:30 J1 '60. (MIRA 13:7)

1. Starshiy inspektor Upravleniya pozharney okhrany Estonskoy SSR,
g. Tallinn.
(Tallinn--Factories--Fires and fire prevention)

GINTERVAL'D, E. (Tallinn)

Mixture for oil removal from machine parts. Pozh.delo 6:27 Mr
'60. (MIRA 13:6)
(Estonia--Factories--Fires and fire prevention)

GINTERVAL'D, K.

We get assistance from the press. Pozh.delo 6 no.5:24-25 My '60.
(MIRA 13:8)

1. Starshiy inspektor Upravleniya pozharney okhrany Estonskoy SSR.
(Fire prevention--Study and teaching)

GINTERVAL'D, E. [Hintarvald, E.]

Oldest society of the country. Pozh.delo 8 no.7:29 J1
'62. (MIRA 15:8)

1. Chlen Dobrovol'nogo pozharnogo obshchestva goroda Tallina.
(Estonia--Fire prevention--Societies, etc.)

SZASZ, Frigyes; NADAS, Andor; GINTL, Jozsef; GOMORI, Geza

Industrial background of the development in the gas industry.
Energia es atom 13 no.3:106-111 Mr '60.

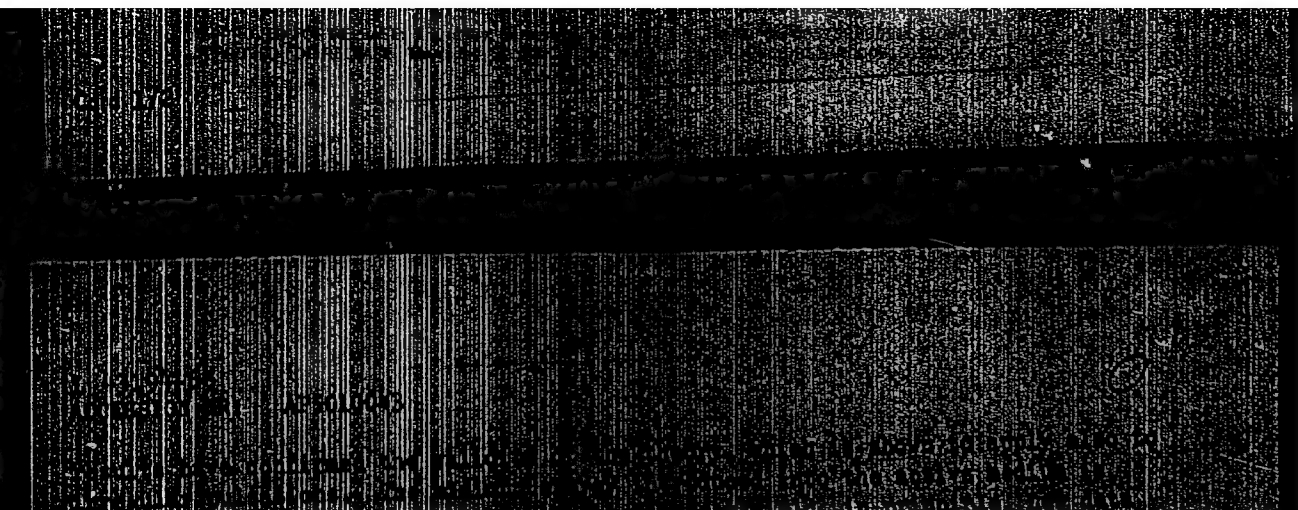
KOLLER, Sándor, muszaki egyetemi adjunktus; ALMASSY; SARLOS, Istvan, dr.; KADAS, Kalman, dr., a muszaki tudományok kandidátusa, egyetemi tanár; NAGY, Rudolf; TURANYI, Istvan, dr., a muszaki tudományok kandidátusa, tanszékvezető tanár; GINTL, József, főmérnök; SZILAGYI, Lajos; KELEMEN, Lajos

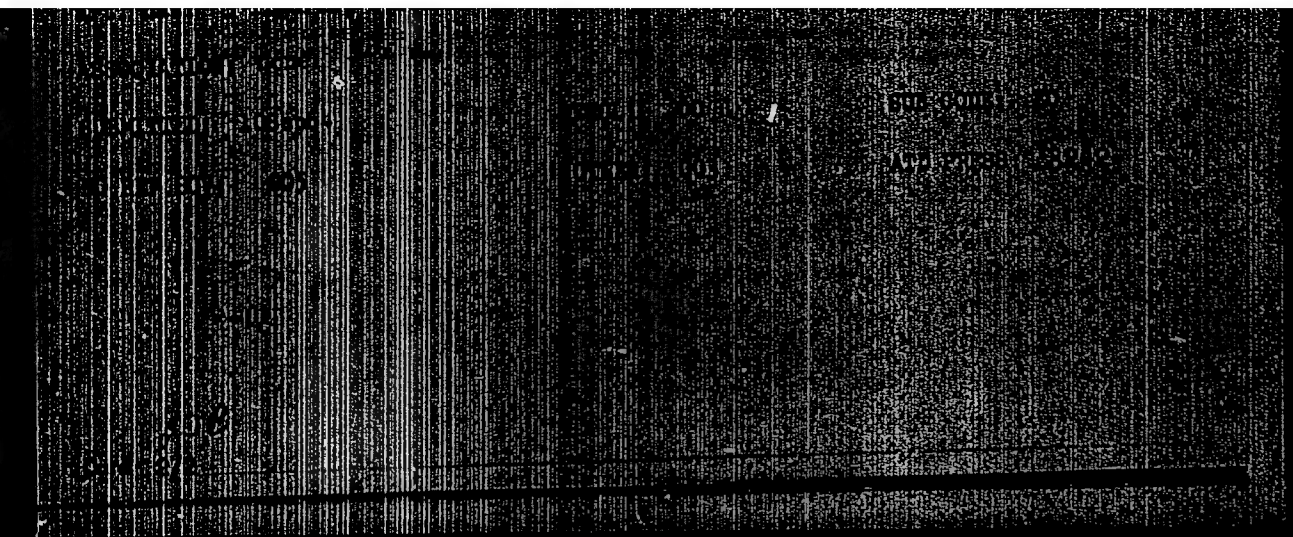
The 5th Conference on City Transportation. Auto motor 16
no.20:5-6 21 0 '63.

1. Fővárosi Tanács Végrehajtó Bizottsága elnöke (for Sarlos).
2. Fővárosi Tanács Köznevelési Igazgatóságának helyettes vezetője (for Nagy).
3. Építőipari Műszaki Egyetem (for Turanyi).
4. Fővárosi Villamosvasút (for Gintl).
5. Fővárosi Tanács Végrehajtó Bizottsága Építési és Városrendezési Osztályának vezetője (for Szilagyi).
6. Budapest Fővárosi Tanács Végrehajtó Bizottsága elnökhelyettese (for Kelemen).

GINTLIS, R.V.

Determining the age of the red-tailed gerbil (*Meriones erythrorus*
Gray). Biol. MOIP. Otd.biol. 64 no.6:23-30 N-D '59. (MIRA 13:5)
(MANGYSHLAK PENINSULA--GERBILS) (AGE) (MORPHOLOGY (ANIMALS))





L 04563-67

ACC NR: AF603243

distance between interferometer mirrors, the latter being connected with the increase in the loss factor. The pulsation time (average distance between spikes at the start of lasing) decreases with increasing pump energy and increases with increasing distance between mirrors, but by a smaller amount than for non-ground ruby rods. Slight deviations are observed in all the measured quantities from their theoretical values, and the reasons for the discrepancies are briefly discussed. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 20/ SUBM DATE: 26Nov65/ ORIG REF: 006/ OTH REF: 003
ATD PRESS: 5100

Card 2/2 vmb

L 2687-66 EWA(h)/FBD/HWT(1)/EWP(e)/EWT(m)/EEC(k)-2/EWP(1)/I/EWP(k)/EED-2/EWA(h)/
ACCESSION NR: AP5021488 FCS(k)/EWA(m)-2 SCTB/ UR/0368/65/003/002/0128/0133
JP(c) MI/WR/WG 59
B

AUTHOR: Gintoft, R. I.; Samson, A. M.; Sarsheskiy, A. M.

TITLE: Dependence of certain ruby laser characteristics on the distance between the interferometer mirrors 25, 44

SOURCE: Zhurnal prikladnoy spektroskopii, v. 3, no. 2, 1965, 128-133

TOPIC TAGS: ruby laser, laser pulsation, laser pumping, laser emission, laser theory, laser optics

ABSTRACT: This is a continuation of an earlier work by the authors (ZhPS v. 2, 142, 1965) devoted to a study of the dependence of buildup time (time for appearance of first spike) and pulsation period (average time between all spikes) of a ruby laser on the pump energy. The study was made for the case when the reflecting coatings were deposited on the ends of the ruby rod. The present investigation concerns a laser with external mirrors, with a rod 6.5 mm in diameter and 81 mm long. The distance between the interferometer mirrors could be varied from 15 to 360 cm. The buildup time and the pulsation period were measured at different pump powers. The results show that at constant power both the buildup time and the pulsation period increase with increasing distance between mirrors. The threshold pump energy likewise in-

Card 1/2

L 2687-66

ACCESSION NR: AP5021488

creases with the distance. The increase in the buildup time is attributed to an increase in the loss coefficient of the ruby. A comparison of the experimental results with the theoretical calculation confirms this assumption. It is also concluded that the results agree well with the probability-method equations derived earlier by one of the authors (Samson, Opt. i spektr. v. 16, 869, 1964 and later papers), especially with respect to the nonstationary laser emission, and that the study of the nonstationary emission makes it possible to investigate the properties of the laser, the active medium, and the pump conditions. Orig. art. has: 3 figures, 4 formulas, and 2 tables. [02]

ASSOCIATION: none

SUBMITTED: 09Dec64

ENCL: 00

SUB CODE: EC

NO REF SOV: 004

OTHER: 000

ATD PRESS: 4/02

Card 2/2

L 2978-66 EWA(k)/FED/EWT(1)/EWT(m)/EBC(k)-2/EMP(1)/T/EMP(k)/EWA(m)-2/EWA(h)

ACCESSION NR: AP5024147 SCIE/LJP(c) WG/WH UR/0250/65/009/009/0578/0580

AUTHOR: Gintoft, R. I.; Sarzhevskiy, A. M.

TITLE: The dependence of the energy yield and generation period of a ruby laser on the pumping energy

SOURCE: AN BSSR. Doklady, v. 9, no. 9, 1965, 578-580

TOPIC TAGS: laser, ruby laser, laser output, energy yield, laser pumping

ABSTRACT: The energy yield and generation period of a ruby laser, which normally increase with the pumping energy in the case of interferometers in which the distance L between mirrors is small, were studied for the case of large L's. The laser consisted of a polished ruby rod 8.1 cm long and 0.65 cm in diameter and plane external mirrors with a 97% reflection coefficient in which L was varied from 120 to 420 cm in 1-m steps. The oscillograms of the laser pulses were photographed for each L as a function of the supply voltage of the pump source (a 100- μ f condenser bank). The maximum pump energy was 1000 j. The experimental results indicate that both generation period and energy yield first increase up to a certain maximum which corresponds to a given pumping energy (~ 500 j) and subsequently decrease when the latter is increased. The dependence of the ruby laser generation on temperature, and the possibility of the existence of two threshold values of

Card 1/2

L 2978-66

ACCESSION NR: AP5024147

2

pumping energy, postulated theoretically by D. N. Vylegzhanin and M. Kh. Zelikman (Voprosy radioelektroniki, ser. 12, no. 24, 3, 1964), were not observed experimentally. However, the dependence of the energy yield and generation period of a ruby laser on temperature can be attributed hypothetically to the fact that pumping throughout a crystal, with its internal stresses and inhomogeneities, is distributed uniformly and the ends act as lenses. In the case of polished crystals, the lenses are positive and their focal lengths f vary with pumping. The higher the pumping energy, the shorter the f and the higher the losses and, consequently, the lower the energy yield and generation period. The above hypothesis requires additional experimental confirmation. Orig. art. has: 2 figures. [YK]

ASSOCIATION: Institut fiziki AN BSSR (Physics Institute, AN BSSR)

SUBMITTED: 24Mar65

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 000

ATD PRESS: 4/109

BYK

Card 2/2

GINTOFT, R.I.; SARZHEVSKIY, A.M.

Output energy and time of generation for a ruby laser as
dependant on pumping. Dokl. AN BSSR 9 no.9.578-580 S 1965.
(MIRA 18.11)

1. Institut fiziki AN BSSR. Submitted March 24, 1965.

GINTOFT, R.I.; SAMSON, A.M.; SAEZHEVSKIY, A.M.

Dependence of some characteristics of a ruby laser on the
distance between interferometer mirrors. Zhur. prikl. spekt.
3 no. 2:128-133 Ag '65. (MIRA 18:12)

1. Submitted Dec. 9, 1964.

AUTHOR: Gintoft, R. I.; Sarzhevskiy, A. M.

ORG: none

TITLE: The influence of the adjustment of the ruby on the magnitude of the threshold pumping energy of a laser

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 2, 1966, 259-260

TOPIC TAGS: ruby laser, laser energy, laser pumping

ABSTRACT: Two adjustment methods were studied. In the first, the so-called "three crosses" method, an AKT-400 autocollimator is used to superpose, in succession, the crosses of the distant mirror, the nearer plane surface of the ruby, and the nearest mirror. The position of the ruby rod in the resonator with respect to its longitudinal axis was disregarded. In the second method, the cross of the distant mirror, seen through the active material, is superposed with the cross of the nearest mirror. Since the ruby crystals are nonuniform and these nonuniformities are responsible for different refraction indexes along the crystal diameter, it is difficult to superpose the crosses. The dependence of E_{thr} (the threshold pumping energy) on L (the distance between the mirrors of the interferometer minus the length of the ruby

Card 1/2

UDC: 535.89

L 4407A-8
ACC NR: AP6030723

rod) for the same ruby using both adjustment methods shows that with the second method the pumping threshold energy depends little on the distance. By changing the distance between the mirrors from 20 to 420 cm the pumping energy increased by only 56 joules. When the adjustment was done according to first method and the distance was changed from 20 to 360 cm, the threshold energy increased by 243 joules. In working with ruby lasers with external mirrors, the position of the ruby rod with respect to the mirrors is very important for the determination of the threshold values of the pumping energy. This is linked with the nonuniformity of the ruby crystal, which results in rays which are non-parallel with respect to the resonator mirrors. This can be compensated by using the first method of adjustment. Orig. art. has: 1 formula and 1 figure.

[JA]

SUB CODE: 20/ SUBM DATE: 200Oct65/ ORIG REF: 003/ ATD PRESS:
5075

Card 2/2 *epk*

GINTOVT, F.V.; MIRONOV, O.G.

Radioactivity of some organisms in the Neman River. Zool. zhur.
42 no.10:1574-1576 '63. (MIRA 16:12)

1. Higher Medical School of Grodno.

BYKHOVSKIY, B. Ye.; GINTOVT, F.V.; KOVAL', V.P.

A new species of the genus *Diplozoon* Nordmann, 1832 from *Vimba*
vimba. Trudy Ukr. resp. nauch. ob-va paraz. no. 3:43-47 '64
(MIRA 19:1)

1. Kiyevskiy gosudarstvennyy universitet.

GINTOVT, V.Ye., aspirant

Biological characteristics and economically useful qualities
of hybrid chicks. Ptitssevodstvo 9 no.9:36-37 S '59.
(MIRA 12:12)

1. Institut genetiki AN SSSR.
(Poultry breeding)

GINTOVT, V.Ye.

Characteristics of metabolism in pure and hybrid chicks during
their growth. Dokl.Akad.sel'khoz. 24 no.2:40-42 '59.
(MIRA 12:2)

1. Institut genetiki AN SSSR. Predstavlena akademikom S.I.
Smetnevym.

(Poultry)

(Metabolism)

GINTOVT, V.Ye.

Characteristics of metabolism in hybrid poultry. Dokl. Akad. sel'khoz.
24 no.4:11-15 '59. (MIRA 12:6)

1. Institut genetiki Akademii nauk SSSR. Predstavlena akademikom
N.P. Rostovtsevyam.
(Poultry) (Metabolism)

KUSHNER, Kh.F.; GINTOVT, V.Ye.

Biological characteristics of hybrid chicks and the
phenomenon of heterosis. Trudy Inst. gen. no. 27:174-
180 '60. (MIRA 13:12)
(Poultry breeding) (Heterosis)

GINTOVT, V. YE., CAND BIO SCI, "BIOLOGICAL CHARACTERISTICS
OF PUREBRED AND HYBRID HENS IN RELATION TO THEIR GROWTH AND
PRODUCTIVITY." MOSCOW, 1961. (ACAD SCI USSR, INST OF MOR-
PHOLOGY OF ANIMALS IN A. N. SEVERTSOV). (KL, 3-61, 210).

GINTOVT, V.Ye.; IVANOVA, Ye.A.

Use of diethylstilbestrol in fattening chicks. Trudy Inst. gen.
no.28:375-380 '61. (MIRA 14:11)
(STILBENEDIOL) (POULTRY)

GINTOVT, V.Ye.; SOLOMINA, M.L.; SHANDOR, Kh.; LEBEDEV, B.I.;
SVIRINA, Z.A.

Making use of heterosis in raising chicks for meat. Trudy Inst.
gen. no.29:290-294 '62. (MIRA 16:7)

(Poultry breeding) (Heterosis)

KUSHNER, Kh.F.; NOVIK, I.Ye.; GINTOVI, V.Ye.

Experimental study on various diluters of chicken semen. Trudy
Inst. gen. no. 31:276-281 '64. (MIRA 17:9)

GINTOVT, V.Ye.; NOVIK, I.Ye.

Use of immunological reactions in poultry breeding. Trudy Inst.
gen. no.31:282-288 '64. (MIRA 17:9)

... V.Yu. [Bontev, V.Yu.]

...

... for the development of ...
Leningrad S.S.S. during the ...
no.3:7-10 J1-S '65.

...
... Khar, prom.
...

GINTOVT, V.Ye.; NOVIK, I.Ye.

Some results of using the serological method in poultry
breeding. Trudy Inst. gen. no.33:97-108 '65.

(MIRA 18:12)

NOVIK, I.Ye.; GINTOVT, V.Ye.

New experiment data on diluters of cock semen. Trudy
Inst. gen. no. 33:129-136 '65. (MIKA 18:12)

KICHIGIN, V.P.; GINTOVY, V.Yu.

Production of fodder yeasts in the Ukraine. Gidroliz.1
lesokhim.prom. 13 no.6:29-30 '60. (MIRA 13:9)

1. Gosplan USSR.

(Ukraine--Yeast)

GALKINA, N.B.; GINTOVT, Ye.A.; STROMM, N.G.

Biological characteristics of the seeds of Uzbek tau-saghyz
(*Scorzonera usbekistanica* C.Czevr. et O.Bond.). Trudy Inst.bot.
AN Uz.SSR.no.3:195-199 '55, (MIRA 10:1)
(Uzbekistan--Tau-saghyz) (Germination)

QINTOVT. Ya.A. . . .

New interesting species and forms of epiphytic lichens found
in Central Asia. Uzb.biol.zhur. no.4:72-74 '59.

(MIRA 13:1)

(Zeravshan Valley--Lichens)

GROTT, Jozef Wacław; GINTOWT-DZIWIŁŁ, Witold.

Possibility of intrarectal administration of alcohol in the treatment of suppurative conditions of the lung. Polski tygod. lek. 10 no.49:1569-1572 5 Dec. '55.

1. Z I Kliniki Chorob Wewnętrznych A.M.w Łodzi; kierownik: prof. dr J.W.Grott. Łódź, ul. Narutowicza 120 m. 6.

(LUNGS, abscess,
ther.,alcohol admin. by intrarectal route)
(ABSCCESS,
lung, ther.,alcohol by intrarectal route)
(ALCOHOL, ETHYL, therapeutic use,
abscess of lung, intrarectal admin.)

GROTT, Josef Wacław, KALISZEWICZ, Seweryn; GINTOWT-DZIWIŁŁ, Witold

Therapeutic procedure in a dental infection complicating anginal conditions in diabetic patients. Polski tygod. lek. 15 no.27: 1031-1034 4 J1 '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Łodzi; kierownik: prof. dr n.med. J.W.Grott.

(DIABETES MELLITUS compl)

(ANGINA PECTORIS compl)

(TETH dis)

GROTT, J.W.; MARZEC, L.; GINTOWT-DZIWILL, W.; KORZON, J. [deceased];
PITARCWA, R.; POSKUTA, W.; J.W.ZURKOWSKI.

Studies on the hazard of diabetes mellitus in 100 obese and obesity-prone subjects over 40 years of age. I. Evaluation of the carbohydrate metabolism. Polarski tygod. lek. 16 no.41:1569-1573 9 0 '61.

1. Z Ośrodka Naukowo-Leczniczego w Busku-Zdroju oraz I Kliniki Chorob Wewnętrznych A.M. w Łodzi; kierownik: prof. dr nauk med. J.W.Grott.
(OBESITY compl) (DIABETES MELLITUS etiol)
(BLOOD SUGAR)

GINTOWT-DZIWILL, Witold

Evaluation of the behavior of carbohydrate metabolism in rheumatoid arthritis according to the determination of the blood sugar curve after glucose load. Pol. tyg. lek. 17 no.42:1644-1645 15 0 '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Lodzi oraz z Osrodka Naukowo-Leczniczego Kliniki w Busku-Zdroju; kierownik: prof. dr nauk med.
J.W. Grott.

(ARTHRITIS RHEUMATOID)

(GLUCOSE TOLERANCE TEST)

AGAPOV, D.S.; ARTIBILOV, B.M.; VIKTOROV, A.M.; GINTS, A.N.; GOR'KOV, A.V.;
GUSYATINSKIY, M.A.; KARPOV, A.S.; KOLOT, I.I.; KOMAREVSKIY, V.T.;
KORYAGIN, A.I.; KRIVSKIY, M.N.; KRAYNOV, A.G.; NESTEROVA, I.N.;
OBES, I.S., kandidat tekhnicheskikh nauk; SOSNOVIKOV, K.S.; SUKHOT-
SKIY, S.F.; CHLENOV, G.O.; YUSOV, S.K.; ZHUK, S.Ya., akademik, glavnyy
redaktor; KOSTROV, I.N., redaktor; BARONENKOV, A.V., professor,
doktor tekhnicheskikh nauk, redaktor; KIRZHNER, D.M., professor,
doktor tekhnicheskikh nauk, redaktor; SHESHKO, Ye.F., professor, doktor
tekhnicheskikh nauk, redaktor; AVERIN, N.D., inzhener, redaktor
[deceased]; GOR'KOV, A.V., inzhener, redaktor; KOMAREVSKIY, V.T.,
inzhener, redaktor; ROGOVSKIY, L.V., inzhener, redaktor; SHAPOVALOV,
T.I., inzhener, redaktor; RUSSO, G.A., kandidat tekhnicheskikh nauk,
redaktor; FILIMONOV, N.A., inzhener, redaktor; VOLKOV, L.N., inzhener,
redaktor; GRISHIN, M.M., professor, doktor tekhnicheskikh nauk, redak-
tor; ZHURIN, V.D., professor, doktor tekhnicheskikh nauk, redaktor;
LIKHACHEV, V.P., inzhener, redaktor; MKDVEDEV, V.M., kandidat tekhnicheskikh nauk, redaktor; MIKHAYLOV, A.V., kandidat tekhnicheskikh nauk, redaktor; PETROV, G.D., inzhener, redaktor; RAZIN, N.V., redaktor; SOBOLEV, V.P., inzhener, redaktor; FRINGER, B.P., inzhener, redaktor; TSYPLAKOV, V.D., inzhener, redaktor; ISAYEV, N.V., redaktor; TISTROVA, O.N., redaktor; SKVORTSOV, I.M., tekhnicheskii redaktor

[The Volga-Don Canal; technical report on the construction of the
Volga-Don Canal, the TSimlyanskaya hydro development and irrigation
works (1949-1952); in five volumes] Volgo-Don; tekhnicheskii otchet
(continued on next card)

АГАФОВ, Д.С. --- (continued) Card 2.

o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina.
TSimlanskogo gidrouzla i orositel'nykh sooruzhenii (1949-1952) v
piati tomakh. Glav.red. S.IA. Zhuk. Moskva, Gos.energ. izd-vo.
Vol.5. [Quarry management] Kar'ernoie khoziaistvo. Red.toma I.N.
Kostrov. 1956. 172 p. (MLRA 10:4)

1. Russia (1923)- U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Deystvitel'nyy
cheln Akademii stroitel'stva, i arkhitektury SSSR (for Razin)
(Quarries and quarrying)

GINTS, B. K.

"Uniform Distribution of Fresh Air in Closed Buildings." Cand Tech Sci,
Belorussian Polytechnic Inst imeni I.V. Stalin, Min Higher Education USSR,
Minsk, 1955.

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended
at USSR Higher Educational Institutions (16).

SOV/124-58-10-11024

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 45 (USSR)

AUTHOR: Gints, B. K.

TITLE: An Investigation on Problems of the Uniform Distribution of Incoming Air in Closed Premises (Issledovaniye voprosov ravnomernogo raspredeleniya pritochnogo vozdukha v zakrytykh pomeshcheniyakh)

PERIODICAL: Sb nauchn. tr. Belorussk. politekhn. in-t, 1957. Nr 56, pp 199-213

ABSTRACT: The author suggests a ventilating system for premises where incoming air in the form of a rising stream is supplied into the ceiling space, where it spreads in all directions and is gradually forced down into the usable area. As an advantage of such a system of ventilation the author considers its economy (since the incoming air may either not be preheated at all or be preheated to a very small degree), as well as its technical and hygienic desirability (since with this system the distribution of the incoming air within the premises is accomplished in the most uniform manner).

Card 1/2 The author recommends that systems of this type be also used for

SOV/124-58-10-11024

An Investigation on Problems of the Uniform Distribution of Incoming Air (cont.)

the supply of the heat carrier in drying chambers.

I. A. Shepelev

Card 2/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120005-2
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120005-2"
GINTS, B.K., kand. tekhn. nauk; TILIKINA, G.L., student; KHODYKO, T.V.,
Student

Weight method for the measurement of air flow velocities. Sbor.
nauch. rab. Bel. politekh. inst. no.69:5-15 '58.

(MIRA 12:7)

(Air flow--Measurement)

GINTS, B.K., dotsent, kand.tekhn.nauk

Determining heat losses in underground hot-water heating systems.
Shor. nauch. trud. Bel. politekh. inst. no.74:68-79 '59.
(MIRA 13:8)

(Hot-water heating)

GINTS, K.G.; NGSON, I.Ye.

Car changing unit. Ugol' Ukr. 10 no. 1:29 Ja '66.
(MIRA 18:12)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120005-2"

[illegible]10: Krizhchuk, *Izvestia* Vol. 7, 1955

GINIS, Yu. R.

"Practical Method of Designing Narrow Band Filters for Ordinary Bridge Circuits," Sbor Nauch Trudov TsNIIS, 1949, Radiotekhnika, No 5, 1949.

Central Scientific Research Institute of Communications, Ministry of Communications
(TsNIIS)

GINTS, Yu. R.

Device for Establishing Two-Way Group Telephone Communications Among
Several Four-Wire Telephone Circuits. Patent, Class 21a², 36⁰². No.
103661; Elektrosvyaz' No. 1, Jan 57.

GINTS, Yu. R. (Cand. Tech. Sci.); KASARINOV, K. A. (Eng.)

"Questions of the Application of Telemechanics in Communications,"

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of Automatic
Production, 15-20 October 1956.
Avtomatika i telemekhanika, No. 2, p. 182-192, 1957.

9015429